

Datasheet for ABIN2786542
anti-MYL4 antibody (N-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	MYL4
Binding Specificity:	N-Term
Reactivity:	Human, Cow, Dog, Horse, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MYL4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human MYL4
Sequence:	MAPKKPEPKK EAAKPAPAPA PAPAPAPAPA PEAPKEPAFD PKSVKIDFTA
Predicted Reactivity:	Cow: 79%, Dog: 93%, Horse: 77%, Human: 100%, Pig: 83%
Characteristics:	This is a rabbit polyclonal antibody against MYL4. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	MYL4
Alternative Name:	MYL4 (MYL4 Products)
Background:	Myosin is a hexameric ATPase cellular motor protein. It is composed of two myosin heavy

Target Details

chains, two nonphosphorylatable myosin alkali light chains, and two phosphorylatable myosin regulatory light chains. This gene encodes a myosin alkali light chain that is found in embryonic muscle and adult atria. Two alternatively spliced transcript variants encoding the same protein have been found for this gene.

Alias Symbols: ALC1, AMLC, GT1, PR01957

Protein Interaction Partner: PYROXD2, VCAM1, ITGA4, FN1, ALB, UBC,

Protein Size: 197

Molecular Weight: 21 kDa

Gene ID: 4635

NCBI Accession: [NM_001002841](#), [NP_001002841](#)

UniProt: [P12829](#)

Pathways: [Myometrial Relaxation and Contraction](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 197 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

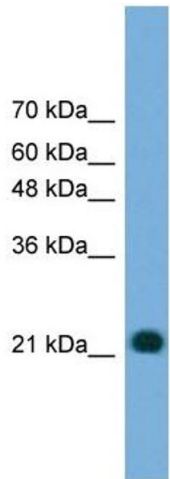
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

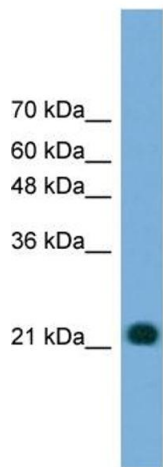
Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.



Western Blotting

Image 1. WB Suggested Anti-MYL4 Antibody Titration:
0.2-1 ug/ml
ELISA Titer: 1:1562500
Positive Control: Transfected 293T



Rabbit Anti-MYL4 Antibody
Catalog Number: ARP56153
Lot Number: QC27076
Lane: Transfected 293T Cell Lysate

Antibody Titration: 1.0µg/ml
Gel Concentration: 12%

Western Blotting

Image 2. WB Suggested Anti-MYL4
Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:1562500
Positive Control: Transfected 293T